CLAIMS:

1. A ceiling mount (20, 30) for an X-ray tube (26) or an X-ray detector (36), containing:

a) a first guide arrangement (11, 12) that can be fixed to the ceiling (10) of a room;

b) a carrier system (21, 22, 31, 32) having a length-adjustable arm (23, 33), the carrier system being mounted to the first guide arrangement (11, 12) so that it can slide in a first direction (L_S, L_D);

c) a transverse arm (24, 34), which is mounted to the end of the arm (23, 33) so as to be rotatable about a first axis of rotation (R_{1S}, R_{1D});

d) an equipment carrier (25, 35), which is mounted to the end of the transverse arm (24, 34) and which carries the X-ray tube (26) or the X-ray detector (36).

2. A ceiling mount (20, 30) as claimed in claim 1, characterized in that the equipment carrier (25, 35) at the transverse arm (24, 34) is rotatably mounted about a second axis of rotation (R_{2S}, R_{2D}).

3. A ceiling mount as claimed in claim 1, characterized in that the carrier system comprises:

b1) a second guide arrangement (21, 31), which is mounted to the first guide arrangement (11, 12) so that it can slide in the first direction (L_S, L_D), and

b2) a carriage (22, 32), which is mounted to the said second guide arrangement (21, 31) so that it can slide in a second direction (T_S, T_D) and which carries the arm (23, 33).

4. A ceiling mount as claimed in claim 1, characterized in that the extension axis (R_{1S}, R_{1D}) of the arm (23, 33) is perpendicular to the first (L_S, L_D) and, if applicable, also to the second direction (T_S, T_D).

5. A ceiling mount as claimed in claim 1, characterized in that the first axis of rotation (R_{1S}, R_{1D}) is parallel to the extension axis of the arm (23, 33).

6. A ceiling mount as claimed in claim 1, characterized in that the second axis of rotation (R_{2S}, R_{2D}) is parallel to the first axis of rotation (R_{1S}, R_{1D}).

7. A ceiling mount as claimed in claim 1, characterized in that the X-ray tube (26) or the X-ray detector (36) is secured to the equipment carrier (25, 35) so as to be rotatable about a third axis of rotation (R_{3S}, R_{3D}).

8. An X-ray installation, wherein the X-ray tube (26) and the X-ray detector (36) are each secured to a ceiling mount (20, 30), which contains:

a) a first guide arrangement (11, 12) that can be fixed to the ceiling (10) of a room;

b) a carrier system (21, 22, 31, 32) having a length-adjustable arm (23, 33), the carrier system being mounted to the first guide arrangement (11, 12) so that it can slide in a first direction (L_S, L_D);

c) a transverse arm (24, 34), which is mounted to the end of the arm (23, 33) so as to be rotatable about a first axis of rotation (R_{1S}, R_{1D});

d) an equipment carrier (25, 35), which is mounted to the end of the transverse arm (24, 34) so as to be rotatable about a second axis of rotation (R_{2S}, R_{2D}) and which carries the X-ray tube (26) or the X-ray detector (36).

9. An X-ray installation as claimed in claim 8, characterized in that the first guide arrangement (11, 12) is the same for both ceiling mounts (20, 30).

10. An X-ray installation as claimed in claim 8, containing a patient table (40) adjustable in height (V_T), lengthwise direction (L_T), transverse direction (T_T), and/or inclination (R_T).

11. An X-ray installation as claimed in claim 8, characterized by a control unit for controlling the spatial adjustment of X-ray tube (26) and X-ray detector (36), making allowances for collision avoidance.